IMACS Web Solutions

Web Based Solutions

- Terminal Server
  - Citrix
- Migration
  - Computer Associates
- Rewrite
  - Oracle

Citrix

- Terminal Server
  - A Terminal Server is a server program running on its Windows NT 4.0 (or higher) operating system that provides the graphical user interface of the Windows desktop to user terminals (PCs) that don't have this capability themselves.
  - User views a graphic representation of the IMACS data transmitted via the terminal server

Citrix

- Proof of concept
  - Involves both local and remote users
  - Started 6 Sep
- Preliminary results
  - Multiple users proven
    - requires CoolGen Multiuser upgrade
  - Printing works to slave and network printers
    - Prints DMISA sections OK, but selecting print entire DMISA fails

Citrix

- Benefits
  - Eliminates need to maintain Oracle and Computer Associates client software at the PC
  - Terminal server implementation is completed within two days
  - Client implementation can be accomplished through email

Citrix

- Disadvantages
  - Not integrated with browsers
    - Integration requires Nfuse software
  - Not as efficient as either a migration or a rewrite of the application
- Remaining technical issues
  - Use of browsers through Nfuse
  - Printing DMISAs

Computer Associates

- Cool Gen Code Migration
  - A Web server is a program that, using the client/server model and the World Wide Web's Hypertext Transfer Protocol (Hypertext Transfer Protocol), serves the files that form Web pages to Web users
  - Provide a solution which allows using both the current client/server interface and a web interface

Computer Associates

- Benefits
  - Implementation relatively quickly
  - Use of Web browsers eliminates need to maintain Oracle and Computer Associates client software at each PC
  - Implementation only requires installing a web browser on the client side

Computer Associates

- Disadvantages
  - Code migration creates a Java interface with the IMACS server
    - Has some inherent inefficiencies when compared to a total rewrite using additional web tools
  - Not all IMACS code can be migrated
    - Some will need to be rewritten to be compatible

Oracle

- Long term solution
  - Costs not determined

Cost

- Citrix
  - Terminal Server $10K
  - MetaFrame Licenses $5K
  - CoolGen Multiuser version: $15K
  - Support $10K
  - Proof of Concept $2K
  - Total: $42K
- Computer Associates
  - Web Server $10K
  - CoolGen WCE $168K
  - Dev Web Server $.8K
  - Prod Web Server $9K
  - TRW Support: TBD
  - Total: $188K+

Conclusion

- Conclusion
  - Additional data needed to identify cost and functionality of both options
- Decision dependent on urgency and cost
- Improvement budget: $160K